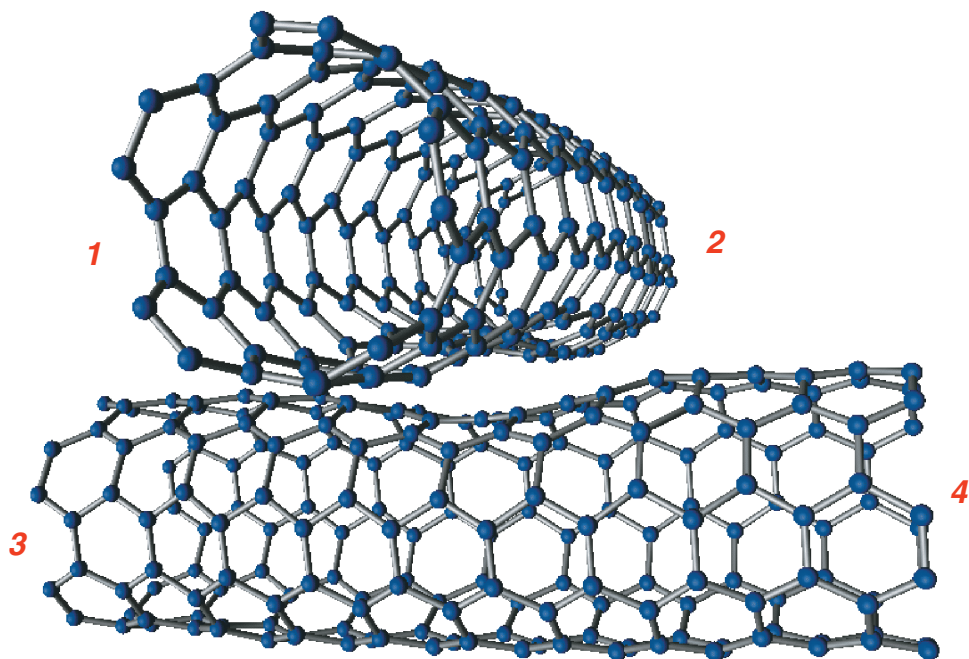
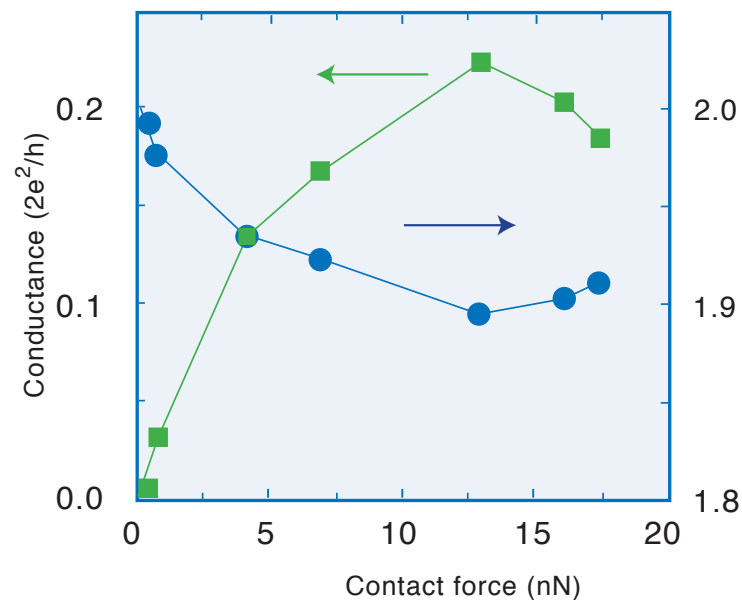


Properties of Nanotube Junctions Calculated

Unique Electromechanical Devices Forseen



Distortion in tube structure resulting from a 15 nanonewton force which occurs when the tubes are within 2.5\AA of each other. Intratube conductance between points 1 and 2 or 3 and 4, and intertube conductance between points 1 and 3 or 4, or 2 and 3 or 4 are calculated.



Conductance as a function of applied force on the junction. As the contact force is increased, the intratube conductance decreases, right axis, (blue) while the intertube conductance, left axis, (green) increases.